

FIG. 1

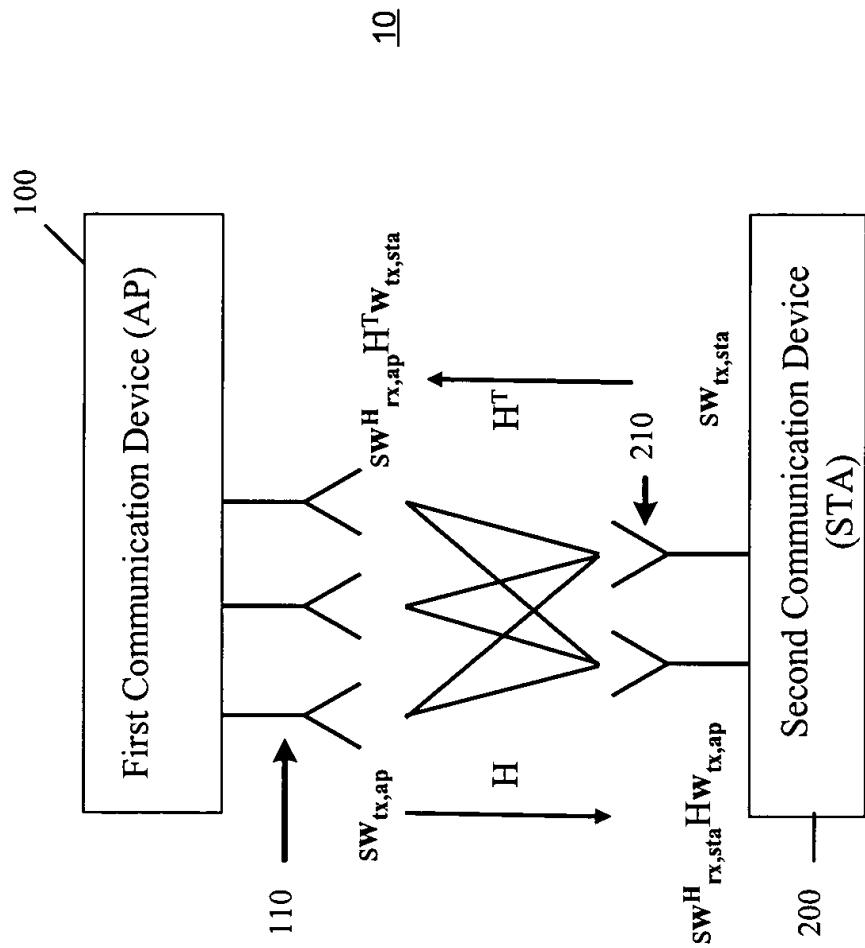


FIG. 2

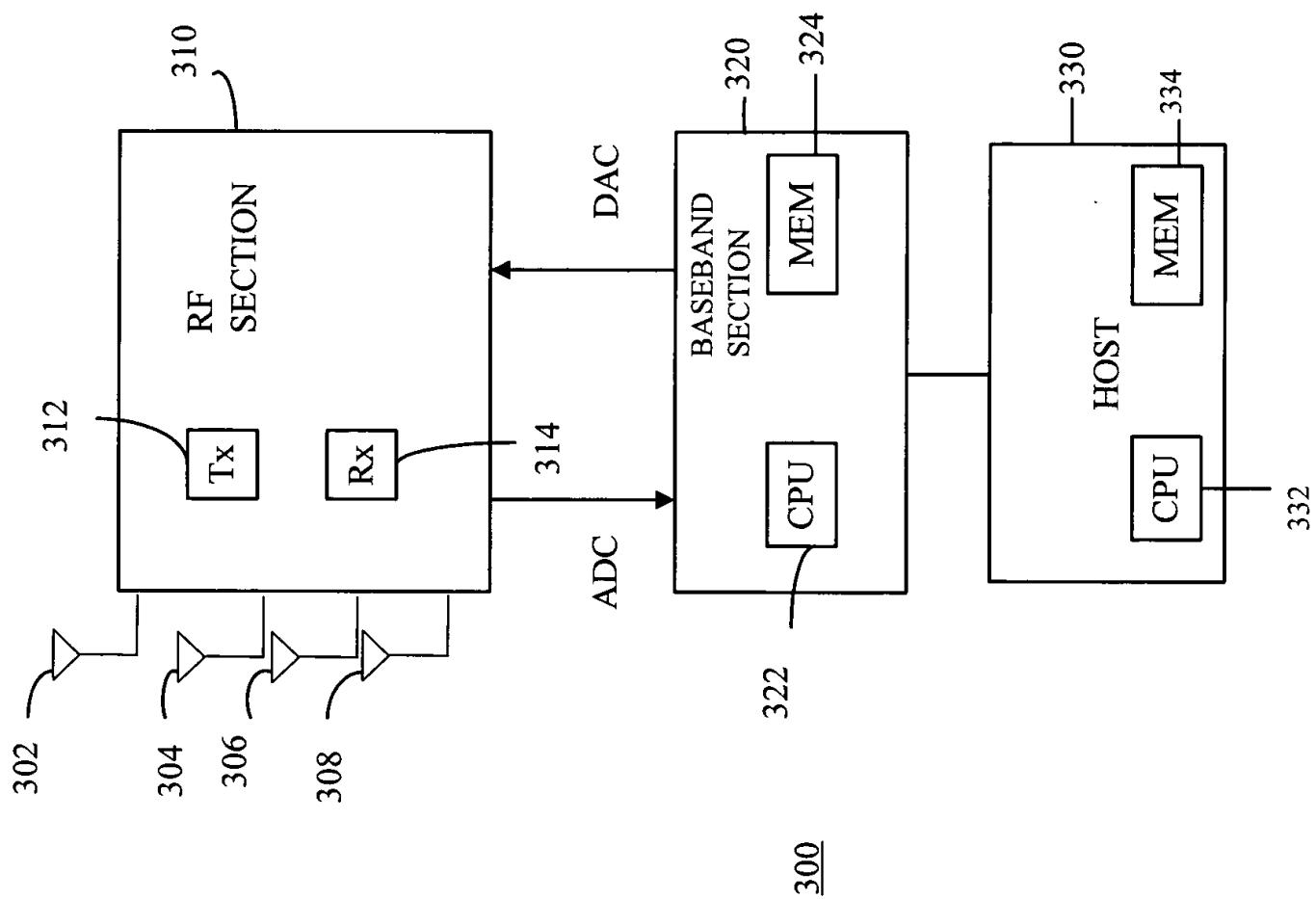


FIG. 3

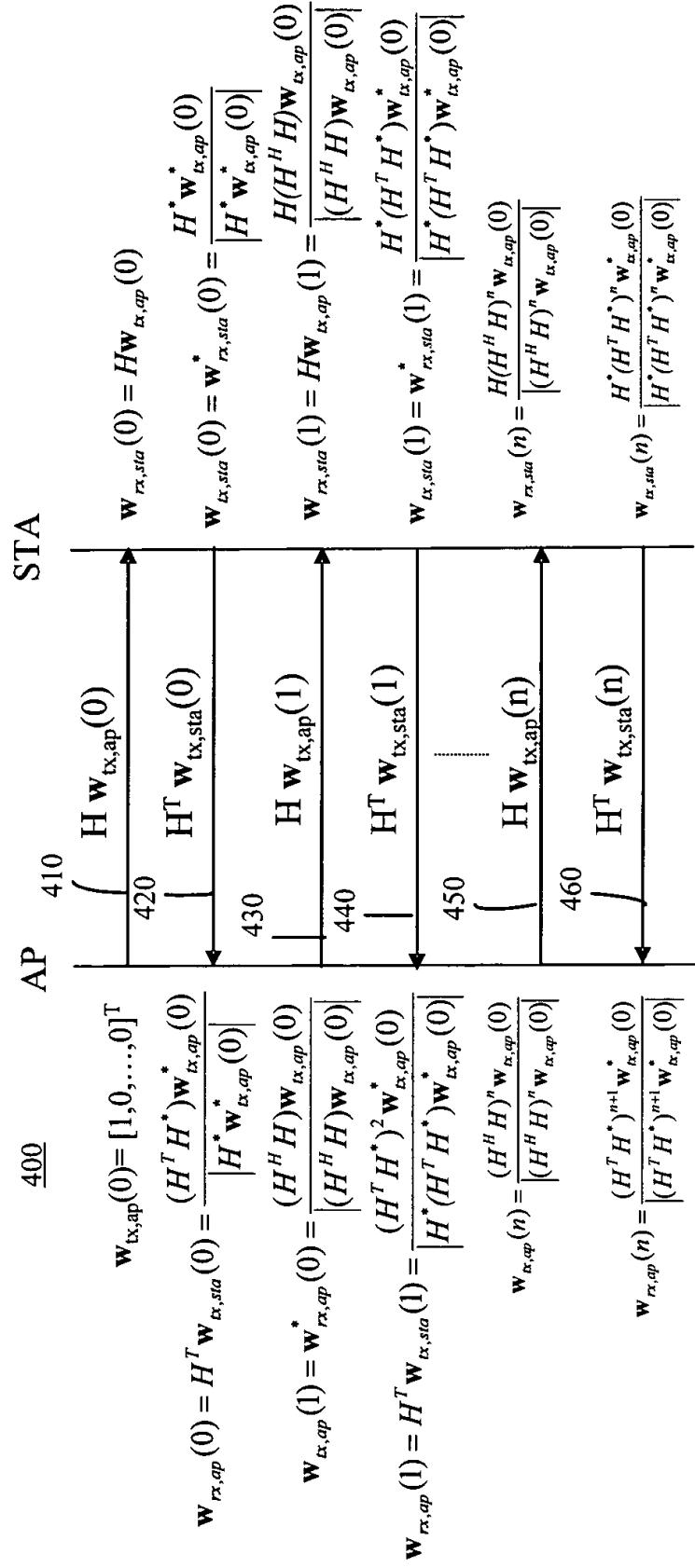


FIG. 4

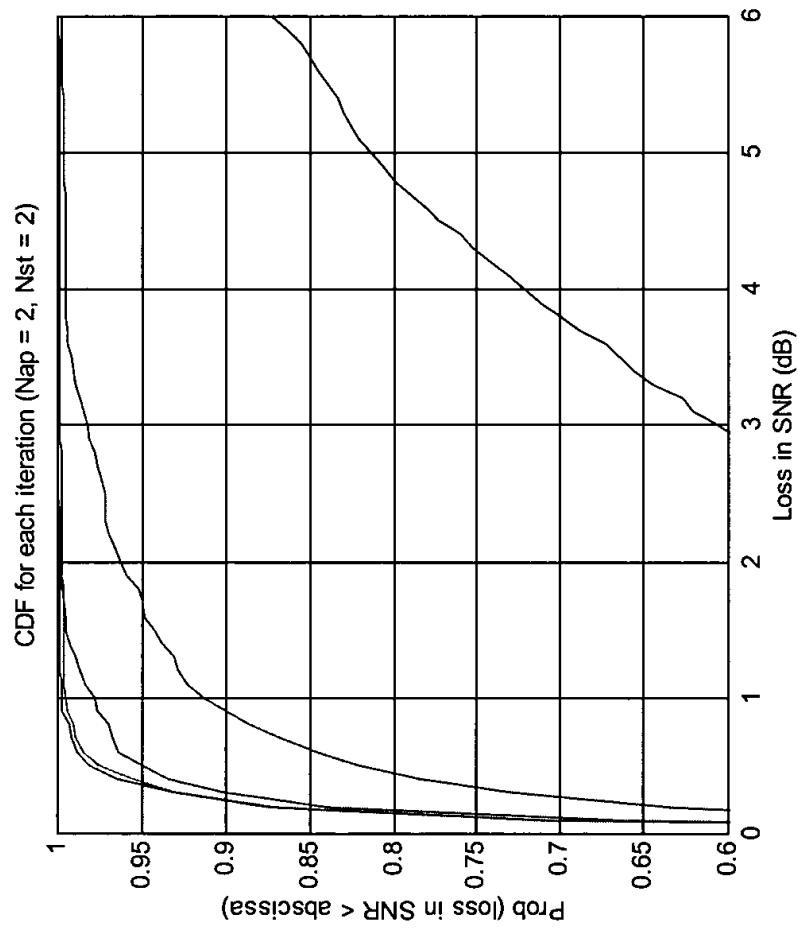


FIG. 5

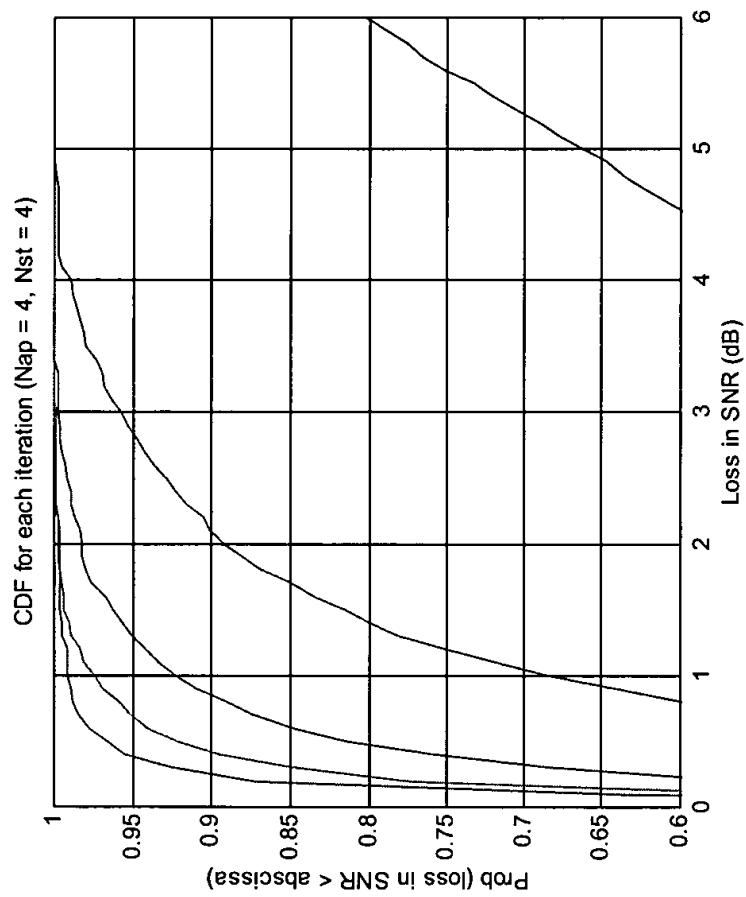


FIG. 6

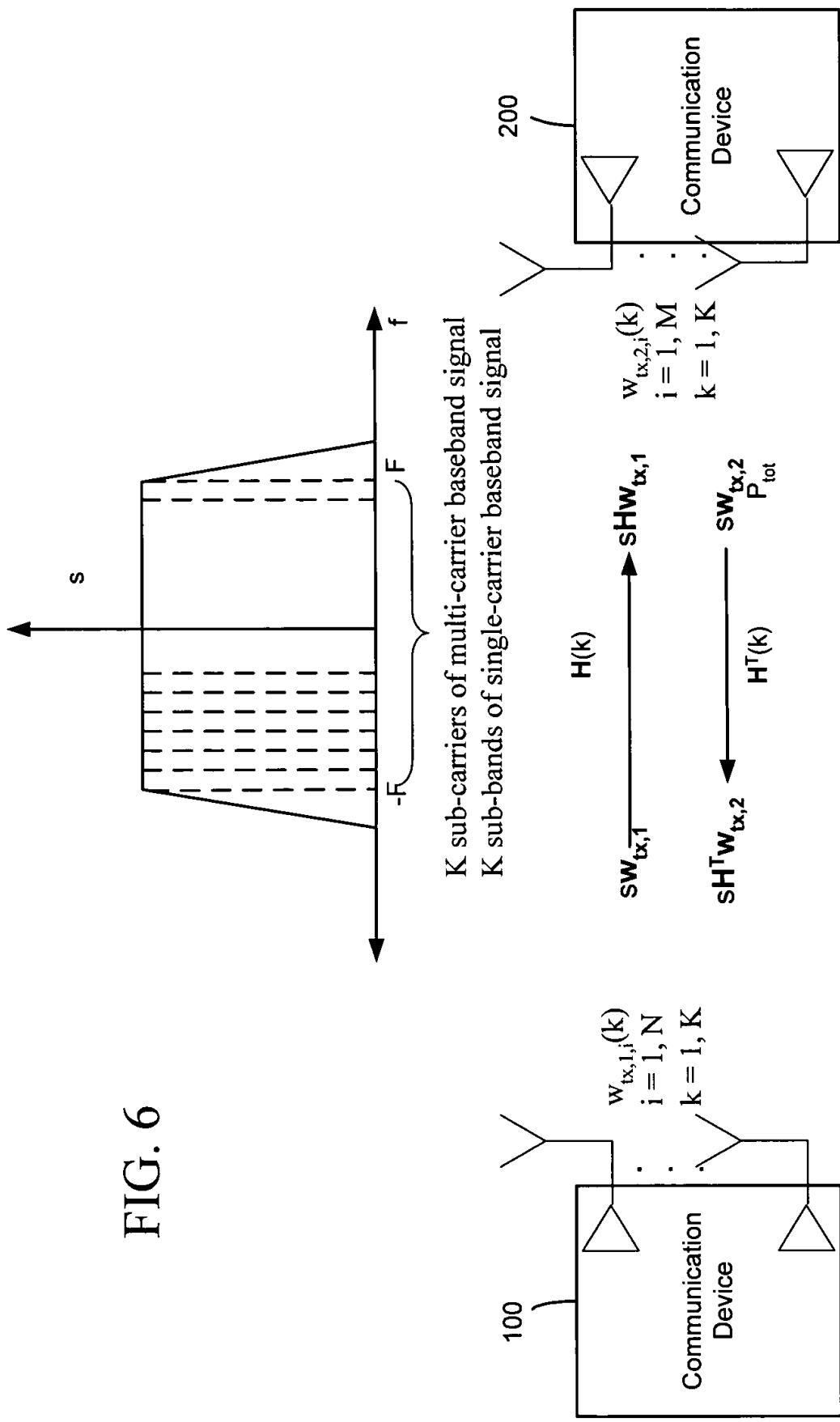


FIG. 7

480

$\mathbf{w}_{T,AP,0}(k) = \frac{1}{\sqrt{N_{AP}}} [1, 1, \dots]^T$	$\mathbf{w}_{R,AP,0}(k) = \mathbf{H}^T \mathbf{w}_{T,STA,0}(k) = \frac{(\mathbf{H}^T \mathbf{H}^*) \mathbf{w}_{T,AP,0}^*(k)}{ \mathbf{H}^* \mathbf{w}_{T,AP,0}^*(k) }$	$\mathbf{w}_{R,STA,0}(k) = \mathbf{H} \mathbf{w}_{T,AP,0}(k)$	$\mathbf{w}_{R,STA,0}(k) = \mathbf{H}^* \mathbf{w}_{T,AP,0}^*(k)$
$\mathbf{w}_{T,AP,1}(k) = \mathbf{w}_{R,AP,0}^*(k) = \frac{(\mathbf{H}^H \mathbf{H}) \mathbf{w}_{T,AP,0}(k)}{ \mathbf{H}^H \mathbf{H} \mathbf{w}_{T,AP,0}(k) }$	$\mathbf{w}_{T,AP,1}(k) = \mathbf{w}_{R,STA,0}(k) = \frac{(\mathbf{H}^H \mathbf{H}) \mathbf{w}_{T,AP,0}(k)}{ \mathbf{H}^H \mathbf{H} \mathbf{w}_{T,AP,0}(k) }$	$\mathbf{w}_{R,STA,1}(k) = \mathbf{H} \mathbf{w}_{T,AP,1}(k)$	$\mathbf{w}_{R,STA,1}(k) = \mathbf{H}^* \mathbf{w}_{T,AP,1}(k)$
$\mathbf{w}_{T,AP,n}(k) = \frac{(\mathbf{H}^H \mathbf{H}^*) \mathbf{w}_{T,AP,0}(k)}{ \mathbf{H}^H \mathbf{H}^* \mathbf{w}_{T,AP,0}(k) }$	$\mathbf{w}_{T,AP,n}(k) = \frac{(\mathbf{H}^T \mathbf{H}^*)^m \mathbf{w}_{T,AP,0}^*(k)}{ \mathbf{H}^* (\mathbf{H}^T \mathbf{H}^*)^m \mathbf{w}_{T,AP,0}^*(k) }$	$\mathbf{w}_{R,STA,n}(k) = \frac{(\mathbf{H}^T \mathbf{H}^*) \mathbf{w}_{T,AP,0}(k)}{ \mathbf{H}^* (\mathbf{H}^T \mathbf{H}^*) \mathbf{w}_{T,AP,0}(k) }$	$\mathbf{w}_{R,STA,n}(k) = \frac{(\mathbf{H}^* (\mathbf{H}^T \mathbf{H}^*)^m \mathbf{w}_{T,AP,0}^*(k)}{ \mathbf{H}^* (\mathbf{H}^T \mathbf{H}^*)^m \mathbf{w}_{T,AP,0}^*(k) }$
$\mathbf{w}_{T,AP,0}(k) = \frac{1}{\sqrt{N_{AP}}} [1, 1, \dots]^T$	$\mathbf{w}_{R,AP,0}(k) = \mathbf{H}^T \mathbf{w}_{T,STA,0}(k) = \frac{(\mathbf{H}^T \mathbf{H}^*) \mathbf{w}_{T,AP,0}^*(k)}{ \mathbf{H}^* \mathbf{w}_{T,AP,0}^*(k) }$	$\mathbf{w}_{R,STA,0}(k) = \mathbf{H} \mathbf{w}_{T,AP,0}(k)$	$\mathbf{w}_{R,STA,0}(k) = \mathbf{H}^* \mathbf{w}_{T,AP,0}^*(k)$

FIG. 8

500

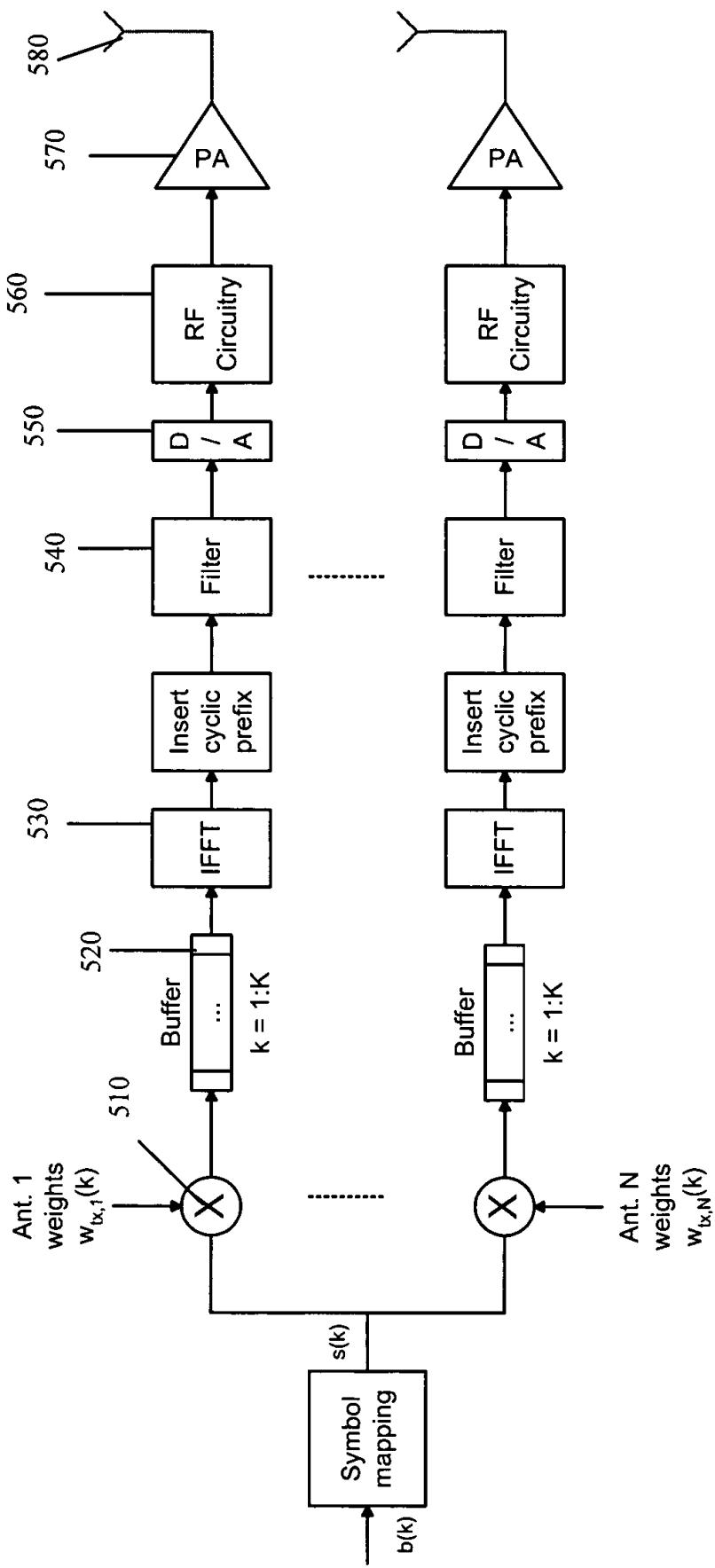


FIG. 9

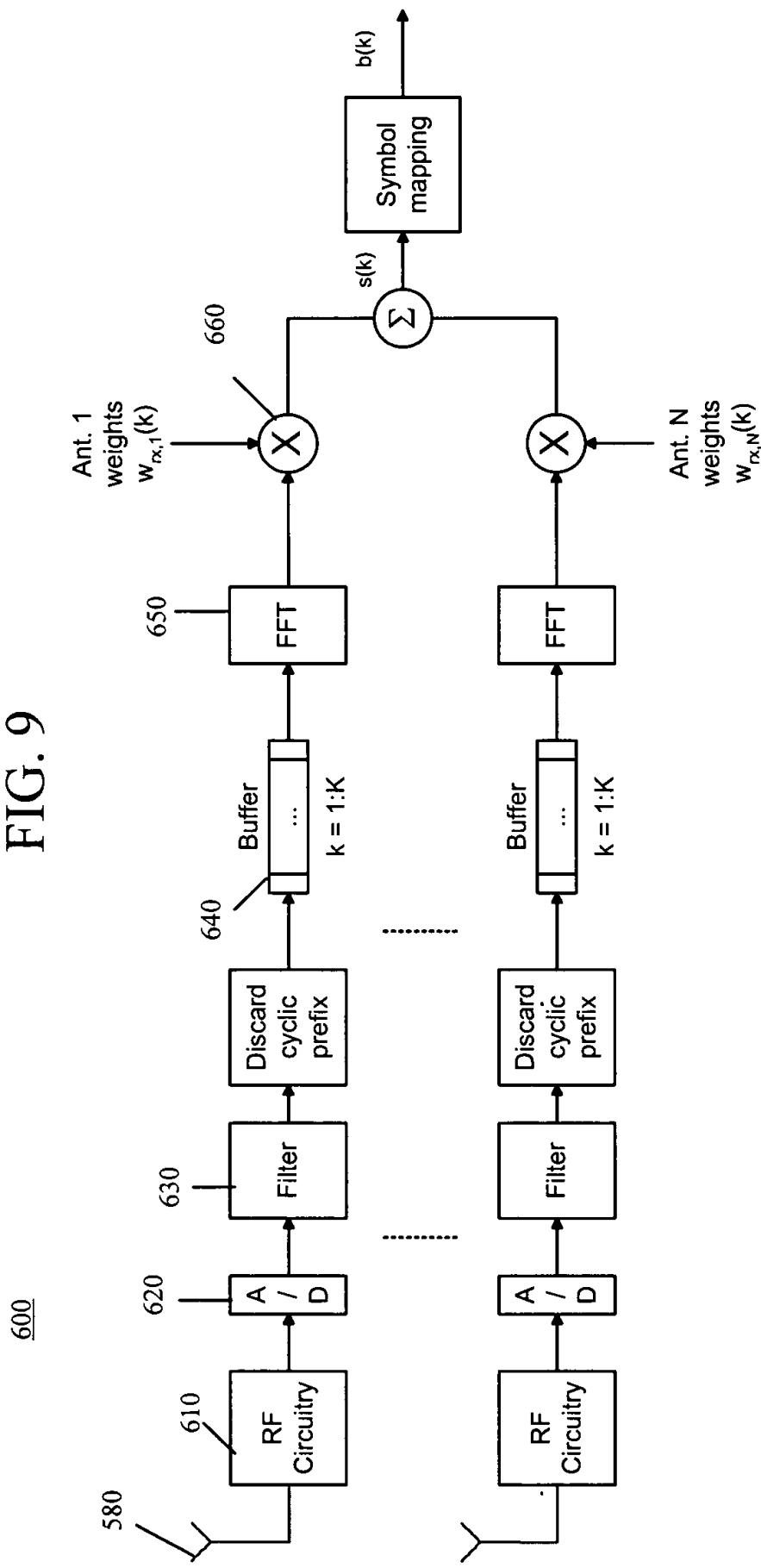


FIG. 10

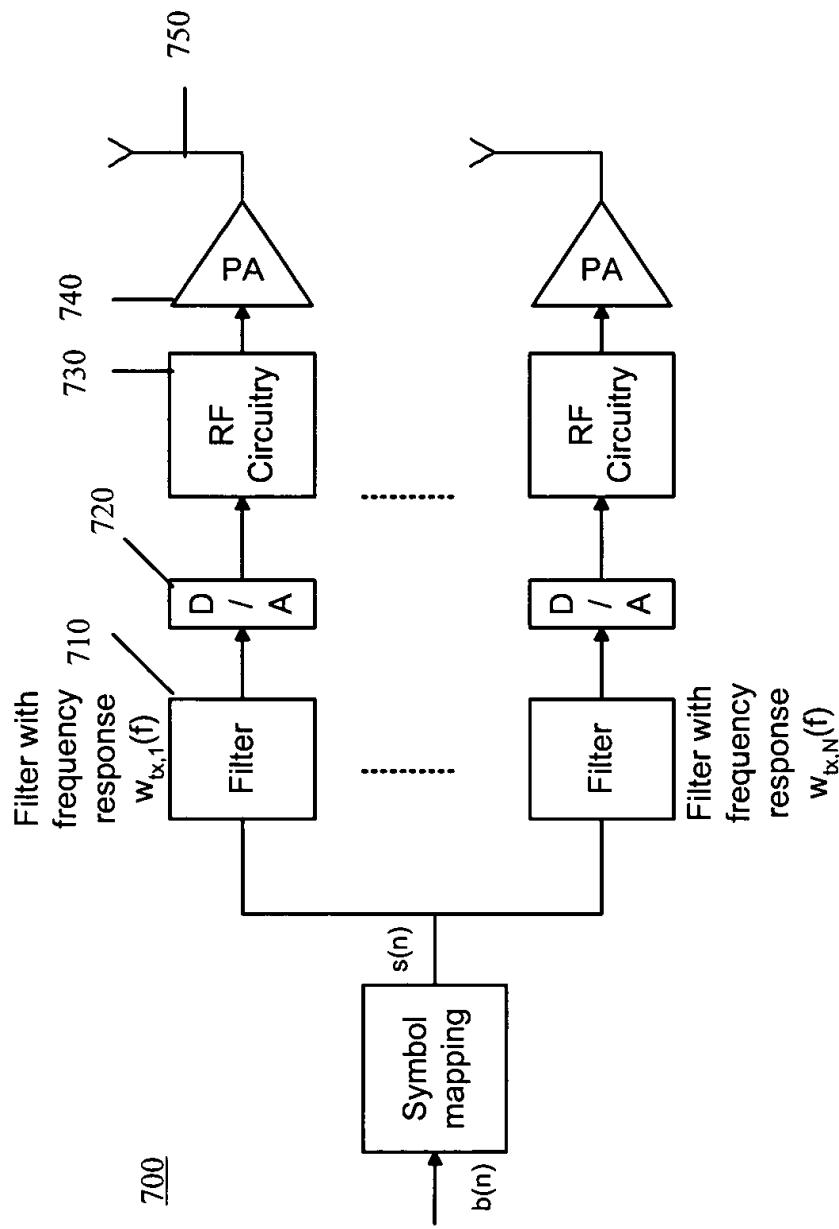


FIG. 11

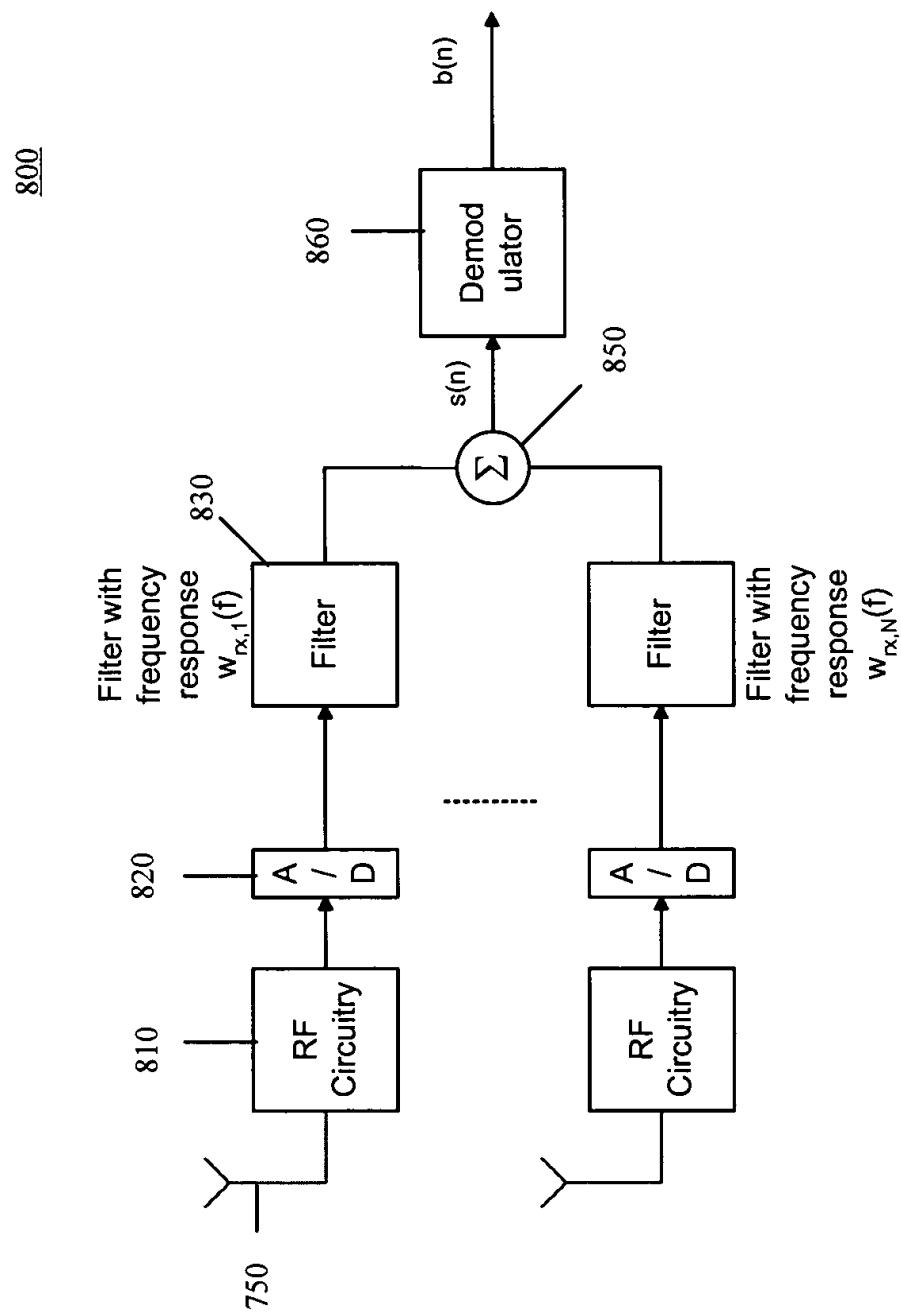


FIG. 12

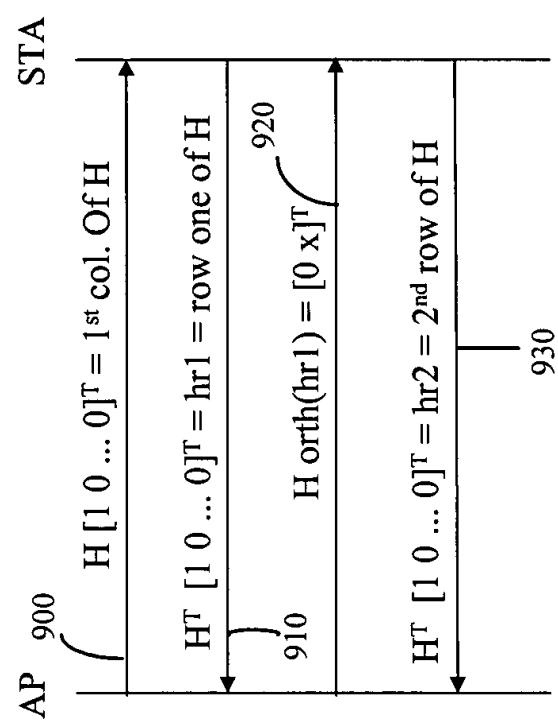


FIG. 13

